

**WEST**

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**Search Results - Record(s) 1 through 1 of 1 returned.**

☐ 1. Document ID: US 6228218 B1, EP 926299 A2, JP 11187983 A, AU 9898197 A, CN 1222606 A, CA 2256659 A1, BR 9805542 A, SG 71886 A1, AU 720949 B, KR 99063314 A

L11: Entry 1 of 1

File: DWPI

May 8, 2001

DERWENT-ACC-NO: 1999-359669

DERWENT-WEEK: 200128

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TITLE: Water-disintegratable cleaning sheet used for wiping human skin or cleaning toilet articles

INVENTOR: KONISHI, T; KURATA, R ; MATSUMOTO, M ; MOROHASHI, N ; TAKEUCHI, N ; MOROHASHO, N

PRIORITY-DATA: 1997JP-0360432 (December 26, 1997)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6228218 B1	May 8, 2001		000	D21F011/00
EP 926299 A2	June 30, 1999	E	011	D21H017/26
JP <u>11187983</u> A	July 13, 1999		008	A47K010/16
AU 9898197 A	July 15, 1999		000	D21H019/20
CN 1222606 A	July 14, 1999		000	D21H017/33
CA 2256659 A1	June 26, 1999	E	000	C11D017/06
BR 9805542 A	December 7, 1999		000	D21H017/26
SG 71886 A1	April 18, 2000		000	D21H017/14
AU 720949 B	June 15, 2000		000	D21H019/20
KR 99063314 A	July 26, 1999		000	A47K010/16

INT-CL (IPC): A47 K 10/16; A47 L 13/16; A61 K 7/50; C11 D 3/22; C11 D 3/33; C11 D 3/37; C11 D 17/06; D21 F 11/00; D21 H 17/07; D21 H 17/14; D21 H 17/25; D21 H 17/26; D21 H 17/33; D21 H 17/36; D21 H 17/37; D21 H 19/10; D21 H 19/20

ABSTRACTED-PUB-NO: EP 926299A

## BASIC-ABSTRACT:

NOVELTY - Water-disintegratable cleaning sheet comprises (i) water-dispersible fibers incorporating (ii) alkylcellulose binder; (iii) electrolyte; and (iv) compounds consisting of (a) copolymers of polymerizable acid anhydride compounds and other compounds; and (b) aminoacid derivatives.

USE - The cleaning sheets are used for wiping of skin or for cleaning toilet articles.

ADVANTAGE - The sheet has good water disintegratability and wet strength and its properties are not degraded after storage at high temperatures.

ABSTRACTED-PUB-NO:

US 6228218B EQUIVALENT-ABSTRACTS:

NOVELTY - Water-disintegratable cleaning sheet comprises (i) water-dispersible fibers incorporating (ii) alkylcellulose binder; (iii) electrolyte; and (iv) compounds consisting of (a) copolymers of polymerizable acid anhydride compounds and other compounds; and (b) aminoacid derivatives.

USE - The cleaning sheets are used for wiping of skin or for cleaning toilet articles.

ADVANTAGE - The sheet has good water disintegratability and wet strength and its properties are not degraded after storage at high temperatures.

Full Title GLS.1 SEQ.1 ATT.1

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Term	Documents
"11187983".DWPI.	1
11187983S	0
"11187983".DWPI.	1
(11187983).DWPI.	1

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REV

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# WEST Search History

DATE: Wednesday, June 19, 2002

## Set Name Query

side by side

## Hit Count Set Name

result set

*DB=DWPI; PLUR=YES; OP=ADJ*

L11	11187983	1	L11
L10	11-187983	0	L10
L9	12 and 14	22	L9
L8	11 and 15 and 14	0	L8
L7	12 and 13	4	L7
L6	11 and 12 and 13	0	L6
L5	(non\$1woven or un\$1woven) same fabric same water jetting	10	L5
L4	binder and (alkyl celluloses or carboxymethyl cellulose or polyvinyl alcohol or modified polyvinyl alcohols or sodium polyacrylate or sodium alginate or polyethylene oxide or starch or modified starch)	7653	L4
L3	colloidal same silica	5986	L3
L2	water same dispersible same (fibers or fibres)	502	L2
L1	fibrous same sheet	6034	L1

END OF SEARCH HISTORY

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L5: Entry 2 of 10

File: DWPI

Oct 31, 2000

DERWENT-ACC-NO: 2000-640223

DERWENT-WEEK: 200105

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TITLE: Cleaning article for wiping human skins, comprises water decomposable non-woven fabric containing water dispersible fibers, coated with water soluble resin, which is contained more on surface portion of fiber assembly

INVENTOR: KONISHI, T; TAKEUCHI, N

PRIORITY-DATA: 1999JP-0112772 (April 20, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000300464 A	October 31, 2000		011	A47K007/00
EP 1046747 A1	October 25, 2000	E	016	D21H019/12

INT-CL (IPC): A47 K 7/00; A47 K 10/16; A47 L 13/17; D04 H 1/46; D06 M 15/05; D21 H 19/12; D21 H 19/34

ABSTRACTED-PUB-NO: EP 1046747A

## BASIC-ABSTRACT:

NOVELTY - A cleaning article (1) comprises:

(a) a water decomposable non-woven fabric (2) containing water dispersible fibers, and

(b) water soluble resin coated on one or more sides (3,4) of non-woven fabric.

The resin is contained more on surface portion (5) of fiber assembly than in the other portions.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for manufacture of cleaning article. A fiber web containing water dispersible fibers is subjected to water jetting treatment to form water decomposable non-woven fabric. The fabric is dried, coated with water soluble resin having viscosity of 1000-100000 cps and again dried to form cleaning article.

USE - For use in wiping human skins such as that of hips and for cleaning toilets.

ADVANTAGE - The cleaning article excels in softness, surface strength, water decomposability, low density and cleaning ability of firmly deposited dirt. The cleaning articles can be directly flushed into toilets after use. The surface fluffing and fiber dropping, upon wiping operation by the cleaning article are prevented.

DESCRIPTION OF DRAWING(S) - The figure shows enlarged fragmentary cross-sectional view of cleaning article.

Cleaning article 1

Non-woven fabric 2

Fabric sides 3,4

Surface portion 5

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L5: Entry 3 of 10

File: DWPI

Feb 26, 2001

DERWENT-ACC-NO: 2000-613322

DERWENT-WEEK: 200156

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TITLE: Water-decomposable non-woven fabric useful for wiping applications, e.g. in wiping human skin, has regenerated cellulose fibers in different fiber lengths

INVENTOR: KONISHI, T; TAKEUCHI, N

PRIORITY-DATA: 1999JP-0077976 (March 23, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2001014611 A	February 26, 2001		000	D04H005/00
EP 1039024 A1	September 27, 2000	E	017	D21H013/08
CA 2301372 A1	September 23, 2000	E	000	D21H013/08
JP 2000273747 A	October 3, 2000		011	D04H001/04
CN 1267757 A	September 27, 2000		000	D04H001/46
US 6287419 B1	September 11, 2001		000	D21H013/08

INT-CL (IPC): A47 K 7/00; A47 L 13/16; D04 H 1/04; D04 H 1/46; D04 H 1/64; D04 H 5/00; D21 H 13/08

ABSTRACTED-PUB-NO: EP 1039024A

## BASIC-ABSTRACT:-

NOVELTY - A water-decomposable non-woven fabric has a first regenerated cellulose fiber that is 3-5 mm long, a second regenerated cellulose fiber that is 6-10 mm long, and up to 10 mm-long natural fiber. The second regenerated cellulose fiber can be entangled together by water jetting treatment, or with the first regenerated cellulose fiber and/or the natural fiber.

USE - For wiping the wet skin of human bodies including the private parts, or for cleaning wet toilets.

ADVANTAGE - The fabric is decomposable in water by 150 seconds or less, as measured by JIS P-4501, and it has a wet strength of 100 g/25 mm or more. The fabric is bulky with soft touch and is composed of materials not harmful to human bodies.

ABSTRACTED-PUB-NO:

US 6287419B EQUIVALENT-ABSTRACTS:

NOVELTY - A water-decomposable non-woven fabric has a first regenerated cellulose fiber that is 3-5 mm long, a second regenerated cellulose fiber that is 6-10 mm long, and up to 10 mm-long natural fiber. The second regenerated cellulose fiber can be entangled together by water jetting treatment, or with the first regenerated cellulose fiber and/or the natural fiber.

USE - For wiping the wet skin of human bodies including the private parts, or for cleaning wet toilets.

ADVANTAGE - The fabric is decomposable in water by 150 seconds or less, as measured by JIS P-4501, and it has a wet strength of 100 g/25 mm or more. The fabric is bulky with soft touch and is composed of materials not harmful to human bodies.